

Title (en)

Thermoelectric generator in turbine engine nozzles

Title (de)

Thermoelektrischer Generator in einer Düse eines Turbinenriebwerkes

Title (fr)

Générateur thermoélectrique dans des tuyères de moteur à turbine

Publication

**EP 2628934 B1 20191211 (EN)**

Application

**EP 13155543 A 20130215**

Priority

US 201213397436 A 20120215

Abstract (en)

[origin: EP2628934A2] In one embodiment, a gas turbine engine assembly comprises an engine assembly disposed about a longitudinal axis, a core nozzle positioned adjacent the engine assembly to direct a core flow generated by the engine assembly, a fan nozzle surrounding at least a portion of the core nozzle to direct a fan flow, wherein the core nozzle defines a plenum to receive a portion of the core stream flow from the core nozzle and a thermoelectric generator assembly positioned in the plenum. Other embodiments may be described.

IPC 8 full level

**F02K 1/00** (2006.01); **F01D 15/10** (2006.01); **F02C 6/04** (2006.01); **F02C 6/18** (2006.01); **F02C 7/32** (2006.01); **F02K 1/82** (2006.01); **F02K 3/06** (2006.01); **H01L 35/30** (2006.01)

CPC (source: EP US)

**F01D 15/10** (2013.01 - US); **F02C 6/04** (2013.01 - US); **F02C 6/18** (2013.01 - EP US); **F02K 1/00** (2013.01 - EP US); **F02K 1/82** (2013.01 - US); **F02K 3/06** (2013.01 - EP US); **H10N 10/13** (2023.02 - EP US); **F02C 7/32** (2013.01 - US); **F05D 2220/76** (2013.01 - US); **Y02T 50/50** (2013.01 - US); **Y02T 50/60** (2013.01 - EP)

Citation (examination)

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Cited by

FR3032943A1; WO2016062928A1

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